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ANSI C12.19 data structure

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NEMA - Utility Industry End Device Data Tables

Defines a table **structure** for utility application **data** to be passed between an end device and a computer. ... Status: Active **ANSI C12.19-1997** [BUY] ...
www.nema.org/stds/c12-19.cfm - 21k - [Cached](#) - [Similar pages](#)

METERING

ANSI C12.19-1997 defines a set of flexible **data structures** ("tables") for use in metering products and a syntax for identifying and describing these ...
www.eei.org/magazine/editorial_content/nonav_stories/2001-09-01-metering.htm - 21k - [Cached](#) - [Similar pages](#)

[PDF] EM-502XX ANSI ELECTRICITY METER

File Format: PDF/Adobe Acrobat - [View as HTML](#)
-40°C to +85°C operating temperature range. Compliant with **ANSI C12.1**, **C12.10**, and **C12.20**. Internal **data structure** per **ANSI C12.19** ...
www.echelon.com/metering/datasheets/EM-502xx-ANSI.pdf - [Similar pages](#)

[PDF] Microsoft PowerPoint - OpenAMI ANSI C12_22 Overview

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ANSI C12.19 End Device Table **data structure**. – Protocol Specification for Advanced Metering (PSEM). – Extended Protocol Specification for Advanced Metering ...
sharepoint.ucausersgroup.org/OpenAMI/RWG/Document%20Library1/1/OpenAMI%20WS%2007%20Presentation%20-%20ANS... - [Similar pages](#)

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ANSI C12.19 200x – Revision to **ANSI C12.19 1997**. Utility Industry End Device **Data Tables**. • The **ANSI C12.19 200x** Standard provides a common **data structure** ...
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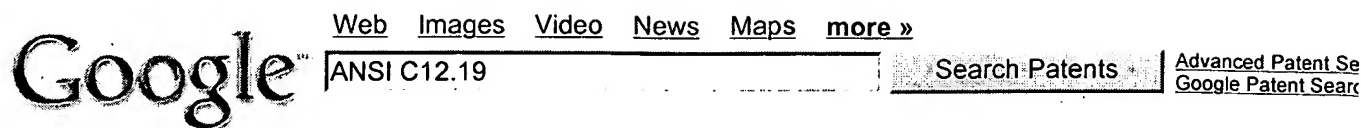
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Slide 6. **ANSI C12.19 200x** – Revision to **ANSI C12.19 1997** Specification. • The **C12.19 200x** Standard provides a common **data structure** for use in transferring ...
www.sce.com/.../0/SCETABPresentationAMINetworkSecurityProtocolConsiderations.pdf - [Similar pages](#)

[RTF] Joe's Justification

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The only manufacturer who has stated that his **data structures** cannot be represented in **C12.19** ... **ANSI C12.19-1997**, Utility Industry End Device **Data Table** ...
ora.ca.gov/wk-group/dai/pswg2/c1219.rtf - [Similar pages](#)

[RTF] C12

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v) To focus on transport independence in the **data structure**. Note that this standard is ...



Patents

Patents 1 - 8 on ANSI C12.19. (0.16 seconds)

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Electronic electricity meter configured to correct for transformer inaccuracies

US Pat. 6636028 - Filed Jun 1, 2001 - General Electric Company

In one embodiment, communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). ...

Method and system for airborne meter communication

US Pat. 6933857 - Filed May 4, 2001

The data content pre-serves an **ANSI C12.22** data protocol which is used ...

A **C12.22** representation of a **C12.19** data table in the SE-240 meter are received ...

Methods and apparatus for updating firmware in an electronic electricity meter

US Pat. 7065457 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

Methods and apparatus for defining meter data calculations in an electronic electricity meter

US Pat. 6564159 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

High function, user configurable electricity meter

US Pat. 6486652 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

Methods and apparatus for meter I/O board addressing and communication

US Pat. 6889271 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

Methods and apparatus for metering energy consumption

US Pat. 6778920 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

Methods and apparatus for controlling data flow in electricity meter

US Pat. 6459258 - Filed Jun 29, 2000 - General Electric Company

Communications via port 122 are performed in accordance with **ANSI C12.18** (optical port) and **ANSI C12.19** (standard tables). A liquid crystal display 124 ...

The first is the reference to **ANSI C12.19-1997** as **ANSI C12.1997**. ...
ora.ca.gov/wk-group/dai/pswg2/c1219comments.rtf - [Similar pages](#)
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[xls] [Sheet1](#)

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90, TABLE, Functionally related utility application **data** elements, grouped together into a single **data structure** for transport. **ANSI C12.19**, 4/1/06, **ANSI** ...
www.utilityami.org/docs/Utility%20AMI%20Glossary_Additions_042106.xls - [Similar pages](#)

The ABB Group: 09-19-00 - ABB's New A3 ALPHA® Electronic Revenue ...

"The A3 ALPHA meter offers the most complete implementation of the **ANSI** communication protocols and **data structures** of any other meter," explained Dr. John ...
www.abb.com/cawp/usabb049/7bf176ca9440b2d28525695e0061fb81.aspx?
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L4	2	"4918728".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/30 09:07
S2	2	"bypass security processing"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 07:54
S3	13	"security key generator"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 08:37
S4	2	"externally generated access key"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 10:37
S5	6945	"access key"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:27
S6	2	S5 and "enable data access"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:24
S7	325	S5 and "enable access"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:28

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S8	2	S5 and "enable data access"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:05
S9	0	S7 and "bypass component"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:29
S10	3	S7 and "bypass security"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:29
S11	4660	"electric meter"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:09
S12	313	S11 AND "data communication"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:10
S13	0	S12 and "security tables"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:11
S14	0	S12 and "decade 4"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:12

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S15	6925	"electric\$ meter" "utility meter"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 12:14
S16	722	S15 and "data communication"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:15
S17	420	S16 and security	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:15
S19	0	S16 and "security table"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:16
S20	0	S17 and "decade 4"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 09:17
S21	21	S17 and "data table"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 12:12
S23	3	60/447815	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 09:44

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S24	23	"ansi c12"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 10:54
S25	3	2003/0009401	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:04
S26	75	"6088659"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 11:02
S27	1183	"utility meter" configuration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/20 12:13
S28	1728	S15 and configuration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/20 12:15
S29	2	"6009177".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 13:21
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S39	14	(calvin and hewitt).xp.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 08:50
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S41	2	"5467286".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 09:15
S42	2	"5715390".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 09:47
S43	1	"4489384".PN.	USPAT; USOCR	OR	ON	2007/03/21 09:35
S44	26	("2883622" "3505508" "3522421" "3551810" "3602814" "3789201" "3848178" "4002976" "4034233" "4034292" "4059747" "4075699" "4133034" "4157507" "4213119" "4240030" "4241237" "4253151" "4281325" "4283772" "4321531" "4331917").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/21 09:39
S45	13	("4331917").URPN.	USPAT	OR	ON	2007/03/21 09:39
S46	2	"5077660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/21 10:13

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S53	1	10/729852	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:36
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S64	1	10/729852	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/28 16:20